## Index of Claims



Application/Control No.

09/821,371

Examiner

Tan Dean D. Nguyen

Applicant(s)/Patent under Reexamination

DIAZ ET AL.

Art Unit

3629

|   | <b>√</b> | Rejected |
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| Claim   |            |          |               |               |               | _        |          | _  |  |  |  |     |             |         |               |             |                    |          |          |             |        |          |         |             | - | _   |           |          |          |   |          |               |            |           |               |
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| E           | Claim Date |          |               |               |               |          |          |  |  | Cla  | Claim Date                                       |     |             |         |               |             |                    |          |          | Cla         | aim    | Date     |         |             |   |     |           |          |          |   |          |               |            |           |               |
| 1   | Final      | iriginal | 1/17/01       | 6/5/02        | 2/28/02       | 5/22/03  | 4/5/07   |  |  |  |  |     | Final       | inginal | 1/17/01       | 6/5/02      | 2/28/02            |          |          |             |        |          |         | 4- 3        |   |     | ÷-        |          |          |   |          |               |            |           |               |
| 2 2 0 0 v = x = x   46 52 V V = x = x   102   |            |          | $\Box$        |               |               |          |          |  |  | _  |  |     |             |         |               |             |                    |          |          |             | •      |          |         | - 14<br>3 1 |   |     | -         |          |          |   |          |               | _          | _         | _             |
| 3 3 V V = X = X   46 53 V V = X = X   100 |            |          | -             | -             | _             |          | -        | H  | 1  | Η-   | ┢  | 1   |             |         | $\overline{}$ |             | $\overline{}$      | -        | $\vdash$ |             | _      | $\dashv$ |         | ,           |   |     |           | 一        |          |   |          | $\neg$        | $\dashv$   | 寸         | ᅱ             |
| 4   |            | -        | v             | ٧             | =             | =        | =        | Ħ  |  | <del>                                     </del> |  | ١.  |             |         | $\overline{}$ | -           | =                  | =        | =        |             | $\neg$ |          |         |             |   |     | 1         | 一        | - 1      |   |          |               |            | $\exists$ | $\neg$        |
| 5         5         V         V         z   | 4          | 4        | >             | v             | =             | =        | =        |  |  |  |  |     |             | 54      | V             | V           | =                  | =        | =        |             |        |          |         | 2. 1        |   |     | T         |          | $\neg$   |   |          |               | $\neg$     | $\neg$    | ヿ             |
| 56  | 5          | 5        | ٧             | <b>v</b>      | =             | =        | =        | Г  |  |  |  | -   | 48          | (55)    | V             | V           | =                  | =        | =        |             | _      |          |         |             |   |     | Ì         |          |          |   |          |               |            | 丁         | $\neg$        |
| 8 8   | 6          | 6        | ٧             | <             | =             | =        | =        | Г  |  |  |  |     |             | .56     |               | V           | =                  | =        |          |             |        | T        |         |             |   | 106 | - 1       |          | Ī        |   |          |               |            | $\neg$    |               |
| 9   | 7          | 7        | ٧             | <b>&gt;</b>   | =             | =        | =        |  |  |  |  | -   |             |         |               | ٧           | =                  | 11       |          |             |        |          |         |             |   |     |           |          |          |   |          |               |            | $\Box$    |               |
| 10   10   v   v   =   =   |            |          | v             | ٧             | =             | =        | =        |  |  |  |  |     |             |         |               | ٧           | =                  | 11       |          |             |        |          |         |             |   |     |           | ·        |          |   |          |               |            |           |               |
| 11   11   11   11   2   2   3   4   4   7   7   7   4   5   5   6   2   7   6   6   7   6   6   7   6   6   7   6   6   |            |          | ٧             | ٧             | =             | Ξ        | =        | <u></u>  |  |  | _  |     |             |         | _             | v           | =                  | _        |          |             | _      |          |         |             |   |     |           |          |          |   |          |               |            | $ \bot $  |               |
| 12   12   v   v   z   z   z   z   z   z   z   z   |            |          | ٧             | ٧             | -             | ⊢        | -        | _  | $oxed{oxed}$                                     | _  | _  | 111 |             |         |               | v           | -                  |          |          |             |        |          |         |             |   |     |           |          |          |   |          |               | $\Box$     | $\dashv$  |               |
| 13   13   0   V   =   =   =   |            |          | -             | _             |               | =        | -        | ↓_   | $\vdash$   | <u> </u>   | <u> </u>   |     | <u> </u>    |         | _             | -           | -                  | -        | $\vdash$ |             | ļ      | _        |         |             |   |     | _         | $\Box$   |          |   |          |               | _          | $\dashv$  | _             |
| 14  |            |          | -             | -             | _             | _        | -        | <u> </u>   | <del> </del>                                     | <u> </u>   |  |     | <u> </u>    |         | _             | -           | _                  | _        | $\vdash$ | Ш           | _      | _        |         | P (d        |   |     | 4         | _        |          |   |          |               |            |           | _             |
| 15  |            |          | -             |               | -             | -        | +        | ₩  | _  | <u> </u>   |  |     |             |         | <u> </u>      | -           |                    |          | $\vdash$ |             |        |          |         |             |   |     |           | _        | _        |   |          |               | _          | 4         |               |
| 16  |            |          | -             | -             | -             | -        | -        | ├-   | <u> </u>   |  | <del> </del> —                                   | -   |             |         | -             | -           | -                  | _        | H        |             |        |          |         |             |   |     |           | $\dashv$ | -        |   |          |               |            | -         | $\dashv$      |
| AF   V  |            |          | $\vdash$      | _             |               | -        | -        | ├-   | $\vdash$   | -  | ├  | ł   |             |         | -             | -           | -                  |          |          | -           | _      | -        |         |             |   |     | $\dashv$  | $\dashv$ | $\dashv$ | _ |          |               |            | $\dashv$  | $\dashv$      |
| 18  | 10         |          | _             | <u> </u>      | =             | 트        | ╀╾       | <del>  .</del>                                   |  |  | ⊢  | ļ   | -           |         | <u> </u>      | -           | -                  | -        |          |             |        | _        |         | X           |   |     | $\dashv$  | -        | $\dashv$ |   |          | _             | -          | $\dashv$  | $\dashv$      |
| 17  |            |          | -             | _             |               | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   |  | $\vdash$   | 1   | _           |         | -             |             | ⊢                  | -        |          |             |        | $\dashv$ |         |             |   |     | $\dashv$  |          |          |   |          |               | $\dashv$   |           | $\dashv$      |
| 18  | 17         |          | -             | V             | _             | ┢        | ╁        | $\vdash$   | <del>                                     </del> |  | H  | 1   | -           |         | -             | _           | ⊢-                 | ⊢        |          |             |        | $\dashv$ |         | *           |   |     | $\dashv$  | $\dashv$ |          | _ | _        | -             |            | $\dashv$  | _             |
| 19  |            |          | -             |               | $\overline{}$ | _        | +        | H  |  |  | ╌  |     | <u> </u>    |         | ┢             | -           | -                  | -        | -        | -           |        |          |         |             |   |     | $\dashv$  |          | $\dashv$ |   |          | $\overline{}$ |            | $\dashv$  | _             |
| 20  |            |          | -             |               | -             | _        | —        |  | $\vdash$   |  | $\vdash$   |     |             |         | $\vdash$      | -           | ⊢                  | —        |          | $\neg$      |        | $\dashv$ |         |             |   |     | $\dashv$  | $\dashv$ |          |   | _        | _             | $\dashv$   | $\neg$    | _             |
| 21   23   V   V   =   =   |            |          | -             | V             | =             | =        | =        | <u> </u>   | t  |  |  | 1   |             |         | Ī             | -           | =                  | =        |          |             |        |          |         | 1.5         |   |     | 一         |          | •        |   |          |               |            | $\neg$    |               |
| 23       25       V       V       =   |            |          | V             | V             | =             | =        | =        |  |  |  |  | 1   |             |         |               | v           | =                  | =        |          |             |        |          |         |             |   |     |           |          |          |   |          |               |            | $\neg$    |               |
| 24       26       V       V       I   |            | 24       | ٧             | >             | =             | =        | =        |  |  |  |  | ]   |             | 74      |               | ٧           | =                  | =        |          |             |        |          |         |             |   |     | Ī         |          |          |   |          |               |            |           |               |
| 25       27       V       V       =       =       =       =       =       =       =       =       =       =       =       127       U       =       =       128       U       V       =       =       =       128       U       U       =       =       129       U       U       E       129       U   |            |          | ٧             | >             | =             | =        | =        |  |  |  |  |     | 49          |         |               | ٧           | =                  | =        | =        |             |        |          |         |             |   |     |           |          |          |   |          |               |            |           |               |
| 26       28       V       V       =   | 24         |          | _             | _             | =             | =        | =        | L  | $oxed{oxed}$                                     | L.   | _  | ,,  |             |         |               | ٧           | =                  | =        | =        |             |        | ļ        |         | 4           |   |     |           |          |          |   |          |               |            |           |               |
| 29       V       Image: square   |            |          | $\overline{}$ | _             | $\vdash$      | ⊢        | ₩        | <u> </u>   | ļ  |  | _  |     |             |         |               | V           | -                  |          | _        |             | ·      |          |         |             |   |     |           |          | _        |   |          |               | Ш          | $\Box$    |               |
| 27       30       V       V       =       =       =       54       80       V       =       =       =       130       131       131       131       131       131       131       132       133       134       V       I<  | 26         |          | -             | ٧             | =             | =        | ▝        | _  | $\vdash$   | L_   | <u> </u>   | ŀ   |             |         |               | _           | _                  |          |          |             |        | _        |         |             |   |     |           |          | _        |   |          |               | _          | $\dashv$  |               |
| 28       31       V       V       =   |            |          | _             |               |               | <u> </u> | ـــ      | ▙  | ـ  | <b>.</b>   | _  | 1   |             |         | _             |             | -                  | _        | _        |             |        | _        |         | 1           |   |     | $\dashv$  |          |          |   |          |               |            | _         |               |
| 29       32       V       V       =   |            |          | -             |               | _             | _        | -        | ⊢  | ┢  | -  | ⊢  |     |             |         | _             |             | -                  | ⊢-       |          |             |        | -        |         | e (*        |   |     | -         |          |          |   |          |               | $\dashv$   |           |               |
| 30       33       V       V       I   |            |          |               | $\overline{}$ | $\overline{}$ | -        | +        | ┢  | -  |  | ⊢  | 1   |             |         |               | -           | -                  | -        | _        |             |        | -        | _       |             |   |     | $\dashv$  |          | _        |   | -        | H             | -          | $\dashv$  | _             |
| 31       34       V       V       I   |            |          | -             | _             | _             | _        | ₩        | ╁  | ╁┈   | -  | -  | 1   |             |         | _             | -           | -                  |          | $\vdash$ | _           |        | ᅱ        |         | . 1         |   |     | $\dashv$  | -        | $\dashv$ |   |          |               | $\dashv$   | $\dashv$  | _             |
| 32       35       V       V       =       =       =       =       =       =       135       136       136       136       136       137       34       38       V       V       =       =       88       137       137       137       138       138       138       138       138       139       139       139       139       139       140       140       140       140       141       141       141       141       141       141       142       142       143       143       143       144       144       144       144       144       144       145       146       146       147       147       148       148       149  |            |          | -             | $\overline{}$ | -             | _        | -        | $\vdash$   | $\vdash$   | -  | $\vdash$   |     |             |         | $\vdash$      | <del></del> | -                  |          | _        |             |        | -        | Ė       |             |   |     | $\dashv$  |          | $\dashv$ |   | -        |               | $\vdash$   | $\dashv$  | _             |
| 36       V       V       =       =       98       136       137       137       137       137       137       138       138       138       138       138       138       139       139       139       139       139       139       140       140       140       140       141       141       141       141       141       142       142       143       143       143       143       144       144       144       144       144       145       146       147       147       148       148       148       149   |            |          | _             |               | -             | -        | +        | $\vdash$   | 1  |  |  | -   |             |         |               | -           | —                  | _        | _        |             |        |          |         | 6,1         |   |     | $\neg$    |          | $\dashv$ |   |          |               | $  \neg  $ | $\dashv$  | $\neg$        |
| 33       37       V       V       =       =       =       88       137       137       138       138       138       138       138       139       139       139       139       139       140       140       140       141       141       141       141       141       141       141       141       142       142       143       143       143       143       144       144       144       144       144       145       146       146       147       147       148       148       149  |            |          | _             | _             | =             | =        | T        | $\top$   |  |  | Г  | 1   | T           |         |               |             | Г                  | Г        | <u> </u> | $\neg \neg$ |        | $\dashv$ |         |             |   |     |           |          |          |   |          |               |            | 一         |               |
| 34       38       V       V       Image: second color of the color o   |            |          | V             | ٧             | =             | Ξ        | =        |  |  |  |  | ]_  |             |         |               |             |                    |          |          |             |        |          |         |             |   |     |           |          |          |   |          |               |            |           |               |
| 36 (40) V V = = = =       90         41 V = = = =       91         37 43 V V = = = =       92         38 44 V V = = = =       93         39 45 V V = = = =       95         40 46 V V = = = =       96         41 47 V V = = =       98         42 48 V V = = =       98         48 V V = = =       99         140       141         141       142         143       143         144       144         145       146         147       147         148       149  |            |          |               |               | =             | Ξ        | Ξ        |  |  |  |  |     |             |         |               |             |                    |          |          |             |        |          |         |             | 1 |     |           |          | 7        |   |          |               |            |           |               |
| 91  |            |          | _             |               |               | =        | =        |  |  | 匸  |  |     |             |         |               |             | $oxedsymbol{oxed}$ |          |          |             |        |          |         |             |   |     |           |          |          |   |          |               |            |           |               |
| 37       43       V       V       I       92       I       142       I <td>36</td> <td></td> <td></td> <td>٧</td> <td>=</td> <td>트</td> <td> =</td> <td><u> </u></td> <td>匚</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Ĺ</td> <td></td> <td>Ш</td> <td><math>\square</math></td> <td></td>  | 36         |          |               | ٧             | =             | 트        | =        | <u> </u>   | 匚  |  |  |     |             |         |               |             | Ĺ                  |          |          |             |        |          |         |             |   |     |           |          |          |   |          |               | Ш          | $\square$ |               |
| 37       43       V       V       I   | <u></u>    |          |               |               |               |          |          | L  | ـــــ  | L.   | _  |     |             |         | <u> </u>      | <u> </u>    | <u>L</u>           | <u> </u> | <u> </u> |             |        |          |         | 4           |   |     | _         |          |          |   |          | Ш             | Щ          |           | _             |
| 38       44       V       V       I   | _~         |          |               | <u> </u>      |               | L        | <u> </u> | ₩  |  | <u> </u>   | <u> </u>   | -   | <u> </u>    |         | <u> </u>      | <u> </u>    | <u> </u>           | $\vdash$ | <u> </u> |             |        | _        |         |             |   |     | 4         |          | $\vdash$ |   |          |               | Ш          | $\dashv$  |               |
| 39 45 V V = = = =   |            |          | $\overline{}$ | _             | -             | _        | +        | ₩  | ├  | $\vdash$   | $\vdash$   | . × | <u> </u>    |         | $\vdash$      | $\vdash$    |                    | ├        | $\vdash$ | $\dashv$    | -      | $\dashv$ | <b></b> | à 's        |   |     | -         | _        | $\vdash$ |   | $\vdash$ | _             | Н          | $\dashv$  | $\overline{}$ |
| 40 46 V V = = = =   |            |          | -             | _             |               | _        | +        | $\vdash$   | ├-   | -  | <del>                                     </del> | 1   | -           |         | $\vdash$      | <u> </u>    | -                  |          | <u> </u> |             | -      | $\dashv$ |         |             |   |     | L136      | 100      | -        | - |          |               |            |           | 1 4 1 1       |
| 41 47 V V = = = =   |            |          | $\overline{}$ |               | -             | -        | -        | +  | $\vdash$   | -  | $\vdash$   | 1   |             |         | <del> </del>  | -           | $\vdash$           | $\vdash$ | $\vdash$ |             | -      | $\dashv$ |         |             |   |     | -         | _        | $\vdash$ |   |          |               | $\vdash$   | $\dashv$  | -             |
| 42 48 V V = = = = 98 148 149 149 149 149 149 149 149 149 149 149  |            |          |               | $\overline{}$ |               | _        | -        | <del>                                     </del> |  | -  | $\vdash$   |     | <del></del> |         | H             | $\vdash$    | <del> </del>       |          | $\vdash$ | $\vdash$    | -      | $\dashv$ |         |             |   |     |           |          | H        |   |          | -             | Н          | $\dashv$  | _             |
| A8 V  |            |          | -             | _             |               |          | -        | $\vdash$   |  |  | T  |     |             |         | H             |             |                    | Т        |          |             |        | $\dashv$ | Н       | 17. 1       |   |     | $\exists$ |          | Н        |   |          |               | $\Box$     | $\dashv$  | $\neg$        |
|   |            |          | _             | ŕ             |               |          | T        | T  |  |  |  | 1   |             |         | Г             | Г           |                    |          |          |             | $\neg$ | -1       |         |             |   |     | 一         |          |          |   |          |               |            | $\dashv$  | $\neg$        |
|   | 43         |          | V             | ٧             | =             | =        | =        |  |  |  |  |     |             |         |               |             |                    |          |          |             |        |          |         |             |   |     |           |          |          |   |          |               |            |           |               |